

APOLLO SOYUZ TEST PROJECT DIRECTIVE NO. 2A

TO: DISTRIBUTION

FROM: Chester M. Lee
ASTP PROGRAM DIRECTOR

OFFICE OF PRIME RESPONSIBILITY (OPR): ASTP Program Budget
and Control

SUBJECT: ASTP Coordination With the Office of International
Affairs

ACTION: All ASTP Program Managers are to implement the re-
quirements of this directive effective with the
issuance date and on a continuing basis

I. PURPOSE

Due to the international implications of the ASTP, it is mandatory that the Office of International Affairs (OIA) be advised of project activities affecting its responsibilities. This directive establishes the coordination procedures and working relationships for effective and continuing coordination with OIA.

II. COORDINATION AND WORKING RELATIONSHIPS

All ASTP correspondence will be processed in accordance with established procedures.

The ASTP Program Office will be responsible for ensuring that OIA is provided copies of ASTP Headquarters/Center correspondence having international or potentially international implications.

The ASTP Program Office is responsible for obtaining necessary NASA management concurrence prior to transmittal of any message to the Soviets.

Copies of telex message to and from the Soviets concerning the ASTP will be provided to the ASTP Program Office and OIA.

All documents (including letters) to be sent to the Soviets will be sent to the ASTP Program Office for transmittal to OIA for forwarding through Department of State channels.

Messages relating to visits by Soviet nationals to the US or NASA and contractor personnel to the USSR will be cleared in advance with OIA, for any applicable policy guidance and so that the Department of State may be alerted to impending visa requests, any demands on the Embassy in Moscow and any other similar matters.

OIA will be notified by the ASTP Program Office and given an opportunity to send an observer to appropriate ASTP Project Reviews.

OIA will be notified by MA and given an opportunity to provide an observer at Joint Working Group Meetings.

OIA will be on the JSC distribution lists for joint US/USSR ASTP documentation and will be provided with other appropriate ASTP project documentation by the ASTP Program Office.



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER
KENNEDY SPACE CENTER, FLORIDA 32899

NOV 1 1973

REPLY TO
ATTN OF: AA-MFP-1 (73-11-2)

MEMORANDUM

TO: Distribution

FROM: AA/Manager, Sciences, Applications, Skylab and ASTP Programs

SUBJECT: Apollo-Soyuz Test Project (ASTP) Directive No. 2A, dated
October 30, 1973, Subject: ASTP Coordination with the
Office of International Affairs

OMSF Apollo-Soyuz Test Project (ASTP) Directive No. 2A, has been received by this office and a copy is transmitted for your information. A copy of my Briefing Note to the Center Director concerning this directive is also included.

William H. Rock
William H. Rock

Enclosures:

1. ASTP Directive No. 2A
2. Briefing Note to CD

Distribution:

Apollo-Skylab Distribution M

117

NOV 1973

Dr. Debus:

Subject: Apollo-Soyuz Test Project (ASTP) Directive No. 2A, dated October 30, 1973, Subject: "ASTP Coordination with the Office of International Affairs"

[Handwritten signature]

This directive is being provided to the Directorates for information only. The revision consists primarily of editorial changes, such as deletion of "Apollo" from Apollo/ASTP Programs Office in the text and the change in office of prime responsibility (OPR) from Apollo/ASTP Programs Office to ASTP Program Budget and Control.

Due to the international implications of the ASTP it is mandatory that the Office of International Affairs (OIA) be advised of project activities affecting its responsibilities.

There is no impact on this Center.

[Handwritten signature]
William H. Rock

APOLLO/SOYUZ TEST PROJECT (ASTP) DIRECTIVE NO. 3

TO: DISTRIBUTION

FROM: Charles M. Lee
PROGRAM DIRECTOR, ASTP

SUBJECT: TECHNICAL INVESTIGATIONS

OFFICE OF PRIME RESPONSIBILITY: MAO

ACTION: Organizations proposing technical investigations on the ASTP mission will classify, process, and plan those investigations as described herein

REFERENCES: (a) NMI 7100.1 "Conduct of Space Science Program"
(b) APD 43A "Apollo Mission Implementation Plan"

I. PURPOSE

This directive sets forth the procedures for review and approval of technical investigations to be conducted on the ASTP mission. It defines criteria for classification of technical investigations such as Experiments, Detailed Objectives, Operational Tests, or Inflight Demonstrations. It establishes the procedures for incorporating these activities into timelines of technical investigation accomplishment. For Experiments, it amplifies NMI 7100.1 (reference (a)) for procedures to be followed within the ASTP Program.

II. SCOPE AND APPLICABILITY

- A. All technical investigations performed on the ASTP mission will be classified as Experiments, Detailed Objectives, Operational Tests, or Inflight Demonstrations.
- B. This directive applies to the ASTP Program Office at the Office of Manned Space Flight and the Manned Space Flight Centers.

III. DEFINITIONS

- A. Primary Objective - A statement of the primary purpose of the flight. When used in Center control documentation the Primary Objective(s) may not be modified, but may be amplified by Detailed Objectives.
- B. Supplementary Objective - A statement of those tasks that do not affect the achievement of the Primary Objectives of the mission. These tasks have been jointly agreed upon between the U.S. and U.S.S.R.

- C. Experiment - A technical investigation that supports science in general or provides engineering, technological, medical, or other data and experience for application to ASTP or other programs and is recommended by the Manned Space Flight Experiments Board and assigned by the Associate Administrator for Manned Space Flight to the ASTP Program for flight.
- D. Detailed Objective - A scientific, engineering, medical, or operational investigation that provides important data and/or experience for use in development of hardware, software, and/or procedures for application to space flight missions. Photographic Tasks, though reviewed by the Manned Space Flight Experiments Board, are not assigned as formal Experiments and will be processed as a Detailed Objective.
- E. Operational Test - A technical investigation that provides for the acquisition of technical data or evaluates operational techniques, equipment, or facilities but is not required by the objectives of the ASTP flight mission. An Operational Test does not affect the nominal mission timeline, adds no payload weight, and does not jeopardize the accomplishment of Primary Objectives, Experiments, or Detailed Objectives.
- F. Inflight Demonstration - A technical demonstration of the capability of an apparatus and/or process to illustrate or utilize the unique conditions of space flight environment. Inflight Demonstrations will be performed only on a non-interference basis with all other mission and mission related activities. Utilization, performance, or completion of these demonstrations will in no way relate to mission success.

IV. RESPONSIBILITY

A. OMSF

The ASTP Program Director will approve the assignment of all Experiments, Detailed Objectives, Operational Tests, and Inflight Demonstrations to the mission including the timeline planned for their accomplishment. The Director, ASTP Engineering (MAE) is responsible to the Program Director for reviewing and processing all Experiments and CSM Orbital Photographic Tasks through the Manned Space Flight Experiments Board, and for the coordination of internal review and approval within the Program Office. The ASTP Director of Operations (MAO) is responsible to the ASTP Program Director for coordinating internal review and approval of all Detailed Objectives, Operational Tests, and Inflight Demonstrations within the Program Office. The Director, ASTP Operations (MAO) is responsible to the Program Director for coordinating inclusion of all approved technical investigations (Experiments, Detailed Objectives, Operational Tests, and Inflight Demonstrations) in the mission timeline and documenting the investigations and their timeline assignment in the Mission Implementation Plan (reference (b)).

B. MSF Centers

Each center will process technical investigations as described in this directive. JSC will develop and maintain the investigation timeline as prescribed herein.

V. PROCEDURES

- A. Experiments - All Experiment proposals or requests will be processed through NASA Headquarters by the ASTP Director of Engineering (MAE). Following internal review and acceptance of a proposed Experiment, an Experiment Implementation Plan (EIP) and a Compatibility Analysis will be prepared for presentation to the Manned Space Flight Experiments Board. After an Experiment is recommended by the Manned Space Flight Experiments Board it will be assigned to the mission by the Program Director. The Experiment will then be identified in the Mission Implementation Plan (MIP).
- B. Detailed Objectives - Proposed Detailed Objectives will be submitted by the Center Program Office to the Program Director. Each proposal will consist of a brief general description of the objective, the time allocation estimated for its conduct, any special equipment or interface requirements, and justification for its implementation. The Detailed Objective proposal will be coordinated within the Program Office and with the cognizant Center(s) prior to approval by the Program Director and subsequent priority assignment. Approved Detailed Objectives will be identified in the MIP.
- C. Operational Tests - Proposals for performance of Operational Tests will be submitted by the Center Program Office to the Program Director. Each proposal will consist of a brief description of the Operational Test, justification for its implementation, and confirmation of non-interference with the mission. Approved Operational Tests will be identified in the MIP.
- D. Inflight Demonstrations - The Apollo Spacecraft Program Manager will be responsible for implementing Inflight Demonstrations subject to approval and flight assignment by the Program Director. The Apollo Spacecraft Program Manager will establish the requirements and interfaces necessary to successfully integrate assigned Inflight Demonstrations on a non-interference basis into the mission. He will be responsible for assuring that each assigned Inflight Demonstration meets all the requirements of the spacecraft, and will be the implementing Center's prime focal point for authoritative direction and information. The interface within the Program Office for coordina-

ting engineering details relative to these demonstrations will be the ASTP Engineering Director. Approved Inflight Demonstrations will be identified in the MIP.

VI. TIMELINE OF TECHNICAL INVESTIGATIONS

Mission assignment for all approved technical investigations will be determined by their relative importance and their adaptability to the overall mission timeline. Operational implementation planning for all investigations will be coordinated with the appropriate Center(s) for potential inclusion in a timeline of investigation accomplishment. Preliminary investigation timelines will be prepared by JSC as early as feasible for each mission and presented to the Program Director. The preliminary investigation timelines will then be published in the appropriate MIP to serve as a baseline for evaluating added technical investigation proposals. The timelines will be continually refined on the basis of simulation and training experience, but proposed major changes such as the reordering, addition, or deletion of activities must receive the concurrence of the Program Director's designated representative at either a JSC Program Office Mission Review or by written request. Proposed changes that require concurrence prior to convening a scheduled Mission Review will be processed by letter. Subsequent revision to the MIP will constitute Level I approval of investigation timeline changes.

VII. IMPLEMENTATION

This directive is effective upon receipt. The definitions herein take precedence over definitions published in other ASTP or Apollo documentation. This directive supercedes APD 55A dated December 30, 1970.